R: REDACTED MATERIAL

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CURRICULUM VITAE

MICHAEL W. OGDEN

I. ADDRESS

Business: R.J. Reynolds Tobacco Company
Research and Development
Bowman Gray Technical Center
Winston-Salem, NC 27102
(919) 741-5787

Home:

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II. PERSONAL DATA

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III. EDUCATION

1980	B.S. Chemistry, Emory & Henry College, Emory, Virginia
1980	B.S. Applied Mathematics, Emory & Henry College, Emory, Virginia
1985	Ph.D. Analytical Chemistry, Virginia Polytechnic Institute & State University, Blacksburg, Virginia

IV. SCHOLARLY CONTRIBUTIONS

A. Technical Publications: Refereed Journals/Books

1. "Use of Capillary Chromatography in the Analysis of Environmental Tobacco Smoke", Capillary Chromatography: The Applications (submitted November, 1989).

2. "Nasal Trigeminal Responses to Toluene Presented by an Automated Delivery System", Chemical Senses (submitted November, 1989).

3. "Evaluation of a Personal Passive Sampling Device for Determining Exposure to Nicotine in Environmental Tobacco Smoke", Proceedings of the 1989 EPA/AWMA International Symposium on Measurement of Toxic and Related Air Pollutants (submitted May, 1989).

4. "An Intercomparison of Sampling Techniques for Nicotine in Indoor Environments", Environmental Science & Technology (submitted September, 1989).

5. "Collection and Determination of Solanesol as a Tracer of Environmental Tobacco Smoke in Indoor Air", Environmental Science

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& Technology 23 (1989) 1148.

6. "Improved Gas Chromatographic Determination of Nicotine in Environmental Tobacco Smoke", Analyst 114 (1989) 1005.

7. "Surveys of Environmental Tobacco Smoke in Offices and Restaurants in New York City", Beitrage zur Tabakforschung (submitted August, 1988).

8. "Apparatus for the Automated Measurement of the Responses of Humans to Odorants", Chemical Senses (submitted August, 1988).

9. "Gas Chromatographic Determination of Nicotine in Environmental Tobacco Smoke: Collaborative Study", J. Assoc. Off. Anal. Chemists 72 (1989) 1002.

10. "Collection and Analysis of Solanesol as a Tracer of Environmental Tobacco Smoke", Indoor and Ambient Air Quality, R. Perry and P. W. Kirk (Eds.), Selper Ltd., London, England (1988) 77.

11. "High Resolution Gas Chromatography of Tobacco Smoke: The Contributions of Kurt Grob", J. of High Resolution Chromatography 11 (1988) 428. (Contribution invited by the Editors for a special memorial issue.)

12. "Gas Chromatographic Determination of Solanesol in Environmental Tobacco Smoke (ETS)", J. of High Resolution Chromatography 11 (1988) 341.

13. "Characterization of Fused Silica Capillary Tubing by Contact Angle Measurements", J. Chromatography 354 (1986) 7.

14. "Synthesis of Siloxane Stationary Phases for Capillary Chromatography", Proc. of the Sixth Int. Symp. on Capillary Chromatography, P. Sandra (Ed.), Dr. A. Huethig, Heidelberg, W. Germany (1985) 149.

15. "Synthesis of Siloxane Stationary Phases for Capillary Gas Chromatography and Supercritical Fluid Chromatography", J. of High Resolution Chromatography 8 (1985) 816.

16. "Recent Advances in Gas Chromatography", American Laboratory 17(8) (1985) 15.

17. "Hydrothermal Treatment of Fused Silica Capillary Columns", J. of High Resolution Chromatography 8 (1985) 326.

18. "Improved Quantitative Capillary GC by the Use of CO_2 as Secondary Coolant in Cold On-Column Injection", J. of High Resolution Chromatography 6 (1983) 550.

B. Oral Presentations

1. "Evaluation of Methods for Estimating the Contribution of ETS to

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Respirable Suspended Particles", 43rd Tobacco Chemists' Research Conference, Richmond, Virginia, October, 1989.

2. "Use of Capillary Chromatography in the Analysis of Environmental Tobacco Smoke", 198th National American Chemical Society Meeting (invited contribution), Miami Beach, Florida, September, 1989.

3. "Evaluation of a Personal Passive Sampling Device for Determining Exposure to Nicotine in Environmental Tobacco Smoke", 1989 EPA/AWMA International Symposium Measurement of Toxic and Related Air Pollutants, Raleigh, North Carolina, May, 1989.

4. "Collection and Determination of Solanesol as a Tracer of Environmental Tobacco Smoke in Indoor Air", 42nd Tobacco Chemists' Research Conference, Lexington, Kentucky, October, 1988.

5. "Collection and Analysis of Solanesol as a Tracer of Environmental Tobacco Smoke", Indoor and Ambient Air Quality Conference, London, England, June, 1988.

6. "Methods of Analysis for Nicotine, Respirable Suspended Particles (RSP), and Ultraviolet Particulate Matter (UV-PM) in Environmental Tobacco Smoke (ETS): Collaborative Study", 41st Tobacco Chemists' Research Conference, Greensboro, North Carolina, October, 1987.

7. "Methods of Analysis for Nicotine, Respirable Suspended Particles (RSP), and Ultraviolet Particulate Matter (UV-PM) in Environmental Tobacco Smoke (ETS): Collaborative Study", 101st Annual International Meeting of The Association of Analytical Chemists, San Francisco, California, September, 1987.

8. "Improved Gas Chromatographic Quantitation of Trace Levels of Environmental Nicotine", 40th Tobacco Chemists' Research Conference, Knoxville, Tennessee, October, 1986.

9. "Preparation of Inert Fused Silica Capillary Columns for Gas Chromatography Using Hydroxyl-Terminated Polysiloxane Stationary Phases", 38th Southeast Regional Meeting of The American Chemical Society, Louisville, Kentucky, September, 1986. (Paper was an invited contribution to a symposium entitled "Capillary Gas Chromatography Techniques".)

10. "Synthesis of Siloxane Stationary Phases for Capillary Chromatography", Sixth International Symposium on Capillary Chromatography, Riva del Garda, Italy, May, 1985.

11. "Advances in Fused Silica Capillary Column Preparation", 1985 Pittsburgh Conference & Exposition, New Orleans, Louisiana, February, 1985.

12. "Comparison of Injection Reproducibility for Open-Tubular and Packed Column Gas Chromatography", 36th Southeast Regional Meeting of The American Chemical Society, Raleigh, North Carolina, October, 1984.

13. "Sample Preparation by Solid Phase Extraction (SPE)", 36th Southeast

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Regional Meeting of The American Chemical Society, Raleigh, North Carolina, October, 1984.

14. "Evaluation of Secondary Cooling in Cold On-Column Injection", 1983 Pittsburgh Conference & Exposition, Atlantic City, New Jersey, March, 1983.

C. Invited Lectures and Seminars

1. "Fundamentals of Supercritical Fluid Chromatography", *Highlands in Chemistry* Seminar Series, Department of Chemistry, Virginia Tech, Blacksburg, Virginia, September, 1988.

2. American Chemical Society Short Course "Gas Chromatography", September, 1988.

3. "SFC and Capillary GC", Graduate course CHEM 5050 - *Industrial Instrumental Analysis*, Department of Chemistry, Virginia Tech, Blacksburg, Virginia, Fall Quarter, 1987.

4. American Chemical Society Short Course "Gas Chromatography", September, 1986.

V. HONORS AND AWARDS

A. 1980 - Blue Key National Honor Fraternity

B. 1984 - American Mensa; Sigma Xi National Research Society

C. 1985 - Virginia Tech Tuition Scholarship; Phi Lambda Upsilon Chemical Honorary Society; Scholarship from Sixth International Symposium on Capillary Chromatography to present results of Ph.D. dissertation research, Riva del Garda, Italy

D. 1987 - Named Associate Referee by the Association of Official Analytical Chemists to study methods for determining nicotine in environmental tobacco smoke

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